Message

From: Edge, Charles (ATSDR/DTHHS/OD) [ibd7@cdc.gov]
Sent: 10/25/2017 9:22:04 PM
To: Holler, James S. (Jim) (ATSDR/DTHHS/OD) [jsh2@cdc.gov]
CC: Werner, Lora [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=921f9f156035403fa605c142a287cc1a-Lwerne02]
Subject: Parkersburg, VA Fire (Ames Tools)

Overall, levels of $PM_{2.5}$ and PM_{10} seem to be decreasing from the first recorded readings (10/23) to date. No air sampling data has been made available. Below are the trends in the realtime air monitoring.

10/23/17
Levels of PM2.5 were highest 0.32 miles from the site at 2,810 ug/m^3. Levels of PM10 were highest 1.15 miles from the site at 384 ug/m^3. The average of the PM2.5 and PM10 readings for all the locations monitored were 241 ug/m^3 and 110 ug/m^3, respectively. The highest concentration of SO_2 was recoded at 0.5ppm.

10/24/17
Levels of PM2.5 were highest 0.4 miles from the site at 2,210 ug/m^3. Levels of PM10 were highest 0.21 miles from the site at 858 ug/m^3. The average of the PM2.5 and PM10 readings for all the locations monitored were 77 ug/$m^3$and 96 ug/m^3, respectively. The highest concentration of SO_2 was recoded at 0.1ppm.

10/25/17
Levels of PM2.5 were highest 0.25 miles from the site at 531 ug/m^3. Levels of PM10 were highest 0.25 miles from the site at 425 ug/m^3. The average of the PM2.5 and PM10 readings for all the locations monitored were 49 ug/m^3 and 41 ug/m^3, respectively. No SO_2 readings were recorded.

According to the Air Quality Index for Particulate Matter, 250.5 to 500 ug/m^3 on a 24-hour average is considered hazardous. Based on the maximum concentrations only, these areas would be considered hazardous to health. 24-hour averages were not available. These are realtime instantaneous readings. The average concentrations above are the averages of the total detected readings for the day in all monitoring locations. No time weighted averages for each monitoring location were available.